



ENFORCER Products
 A Division of Acuity Specialty Products
 Group, Inc.
 P.O. Box 1060
 Cartersville, GA 30120
 1-888-805-HELP
 www.zepcommercial.com

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Heavy Duty Floor Stripper

Product Code HD1071128, CN1071128,
HD10715G CN10715G

Date of issue 01/28/05 **Supersedes** 04/17/02

Emergency Telephone Numbers

For MSDS Information:
Compliance Services (404) 352-1680

For a Medical Emergency:
INFOTRAC
(877) 541-2016 (Toll Free - Calls Recorded)

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 (Toll Free - Calls Recorded)

Printing Date:

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	10 - 20	ACGIH TLV (United States). Skin TWA: 20 ppm 8 hour(s). Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm 8 hour(s). Form: Vapor
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	1 - 10	OSHA PEL (United States). TWA: 3 ppm 8 hour(s). ACGIH TLV (United States). STEL: 6 ppm 15 minute(s).
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	1 - 5	ACGIH TLV (United States). TWA: 200 ppm 8 hour(s). OSHA PEL (United States). TWA: 400 ppm 8 hour(s). ACGIH/OSHA (United States). STEL: 400 ppm 15 minute(s).
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1 - 5	Not established

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Inhalation.

Skin Hazardous in case of skin contact (irritant, permeator). Harmful if absorbed through the skin. Direct contact may cause irritation and redness. Skin inflammation is characterized by itching, scaling, or reddening.

Eyes Hazardous in case of eye contact (corrosive). Causes eye burns.

Inhalation Hazardous in case of inhalation. Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system depression.

Ingestion Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

HMIS

Health	2
Fire Hazard	2
Reactivity	0
Personal Protection	C

Chronic Effects The substance may be toxic to blood, kidneys, lungs, liver, gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS). Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion Aspiration hazard if swallowed- can enter lungs and cause damage. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Closed cup: 57.77°C (136°F). **Flammable Limits** Not available.

Flammability Combustible liquid.

Fire Hazard Keep away from heat, sparks and flame. May emit toxic fumes under fire conditions.

Fire-Fighting Procedures Use DRY chemicals, CO₂, water spray or foam. Fire-fighters should wear proper protective equipment. Do not release runoff from fire to sewers or waterways.



Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Do not ingest. Keep away from heat, sparks and flame. Apply this product only as specified on the label. Observe label precautions. Do not reuse product container. Wash thoroughly after handling.

Storage Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store between 40°F - 120°F (4.4°C - 49°C). Protect from freezing. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

Personal Protection

Eyes Splash goggles.

Body Synthetic apron. Protective gloves should be worn during handling. Rubber gloves. Neoprene gloves. Nitrile gloves.

Protective Clothing (Pictograms)



Respiratory Use with adequate ventilation. Avoid breathing vapors or spray mists. Wear appropriate respirator when ventilation is inadequate.

Section 9. Physical and Chemical Properties

Physical State Liquid. **Color** Clear. Colorless.

pH 12.0 - 13.0. **Odor** Butyl.

Boiling Point >100°C (212°F). **Vapor Pressure** 1.9 kPa (14.5 mmHg) (at 20°C)

Specific Gravity 1 (Water = 1). **Vapor Density** Not determined.

Solubility Easily soluble in cold water, hot water. **Evaporation Rate** Not determined.

VOC (Consumer) 512.63 (g/l). 4.37 lb/gal 52.4%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive with oxidizing agents, acids.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information**Toxicity to Animals****Ethylene Glycol Monobutyl Ether:**

ORAL (LD50): Acute: 1746 mg/kg [Rat].
DERMAL (LD50): Acute: 680 mg/kg [Rabbit].
VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat (Female)].

Monoethanolamine:

ORAL (LD50): Acute: 1720 mg/kg [Rat].

Isopropyl Alcohol:

ORAL (LD50): Acute: 4700 mg/kg [Rat].
DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].
VAPOR (LC50): Acute: 22500 ppm 8 hour(s) [Rat (Male)]. 19000 ppm 8 hour(s) [Rat (Female)].

Tetrasodium Ethylenediamine Tetraacetate :

ORAL (LD50): Acute: 4100 mg/kg [Rat].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Code: D001, D002
Classification: - (Hazardous waste.)
Origin: - (RCRA waste.)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not regulated.

DOT Classification Not a DOT controlled material (United States).

UN number Not regulated.

TDG Classification Not a TDG controlled material.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:

Glycol Ethers

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances : Glycol Ethers

State Regulations California prop. 65: No products were found.

WHMIS (Canada) Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

Class D-1B: Material causing immediate and serious toxic effects (TOXIC).

Class E: Corrosive liquid.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.